

Qty

1 of each

Description of laser crystals;**#1; Pr:RbPb₂Cl₅ Laser crystal**

Praseodymium doped Rubidium Lead Chloride (Pr:RbPb₂Cl₅) Crystal dimension shall be 5 x 5 mm² aperture and 10 mm long.

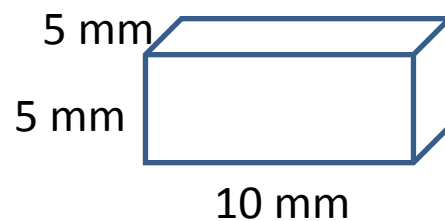
Transparency range is up to 20 micron meter

Crystal has good optical quality that is less than 1 wave distortion at 632nm

Doping concentration shall be ~2.0 – 2.5 %

Both aperture faces are polished with S/D 40 - 20 or better

Crystal orientation is random for maximum size crystal cut

**#2; Tb:RbPb₂Cl₅ single crystal sample**

Terbium doped Rubidium Lead Chloride (Tb:RbPb₂Cl₅) Crystal dimension shall be 5 x 5 mm² aperture and 10 mm long.

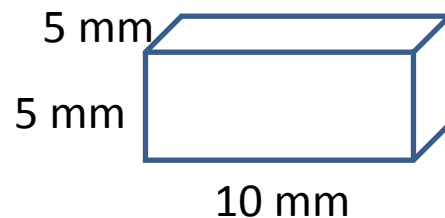
Transparency range is up to 20 micron meter

Crystal sample has good optical quality that is less than 1 wave distortion at 632nm

Doping concentration shall be ~2.0 – 2.5 %

Both aperture faces are polished with S/D 40 - 20 or better

Crystal orientation is random for maximum size crystal cut

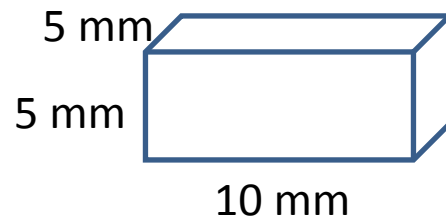
**#3; Ho:KPb₂Cl₅ single crystal sample**

Holmium doped Potassium Lead Chloride (Ho:KPb₂Cl₅) Crystal dimension shall be 5 x 5 mm² aperture and 10 mm long.

Transparency range is up to 20 micron meter

Crystal sample has good optical quality that is less than 1 wave distortion at 632nm

Doping concentration shall be $\sim 2.0 - 2.5\%$
Both aperture faces are polished with S/D 40 - 20 or better
Crystal orientation is random for maximum size crystal cut



#4; Tb:Tm:K₂Pb₂Cl₅ Laser crystal

Terbium and Thulium codoped Potassium Lead Chloride (Tb:Tm:K₂Pb₂Cl₅) Crystal dimension shall be 5 x 5 mm² aperture and 10 mm long.

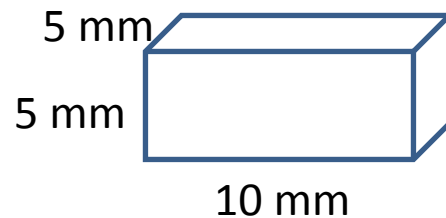
Transparency range is up to 20 micron meter

Crystal sample has good optical quality that is less than 1 wave distortion at 632nm

Doping concentration shall be $\sim 0.75\%$ Tb and 1.5% Tm

Both aperture faces are polished with S/D 40 - 20 or better

Crystal orientation is random for maximum size crystal cut



#5; Pr:RbPb₂Br₅ Laser crystal

Praseodymium doped Rubidium Lead Bromide (Pr:RbPb₂Br₅) Crystal dimension shall be 5 x 5 mm² aperture and 10 mm long.

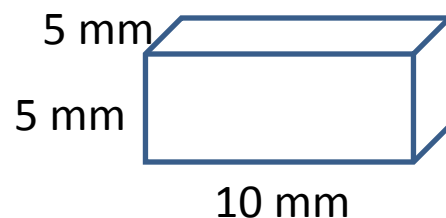
Transparency range is up to 20 micron meter

Crystal has good optical quality that is less than 1 wave distortion at 632nm

Doping concentration shall be $\sim 2.0 - 2.5\%$

Both aperture faces are polished with S/D 40 - 20 or better

Crystal orientation is random for maximum size crystal cut



#6; Er:RbPb₂Br₅ Laser crystal

Erbium doped Rubidium Lead Bromide (Er:RbPb₂Br₅) Crystal dimension shall be 5 x 5 mm² aperture and 10 mm long.

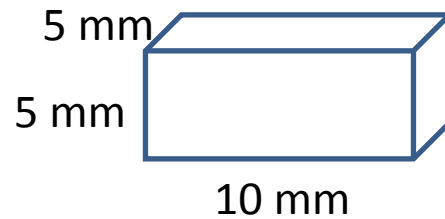
Transparency range is up to 20 micron meter

Crystal has good optical quality that is less than 1 wave distortion at 632nm

Doping concentration shall be ~2.0 – 2.5 %

Both aperture faces are polished with S/D 40 - 20 or better

Crystal orientation is random for maximum size crystal cut



#7; Yb:RbPb₂Br₅ Laser crystal

Ytterbium doped Rubidium Lead Bromide (Yb:RbPb₂Br₅) Crystal dimension shall be 5 x 5 mm² aperture and 10 mm long.

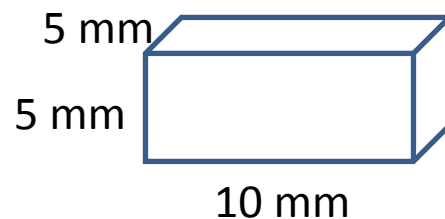
Transparency range is up to 20 micron meter

Crystal has good optical quality that is less than 1 wave distortion at 632nm

Doping concentration shall be ~2.0 – 2.5 %

Both aperture faces are polished with S/D 40 - 20 or better

Crystal orientation is random for maximum size crystal cut



#8; Pr:RbPb₂Br₅ Laser crystal sample

Praseodymium doped Rubidium Lead Bromide (Pr:RbPb₂Br₅) Crystal dimension shall be 5 x 5 mm² aperture and 5 mm long.

Transparency range is up to 20 micron meter

Crystal has good optical quality that is less than 1 wave distortion at 632nm

Doping concentration shall be ~2.0 – 2.5 %

Both aperture faces and 2 side faces are polished with S/D 40 - 20 or better

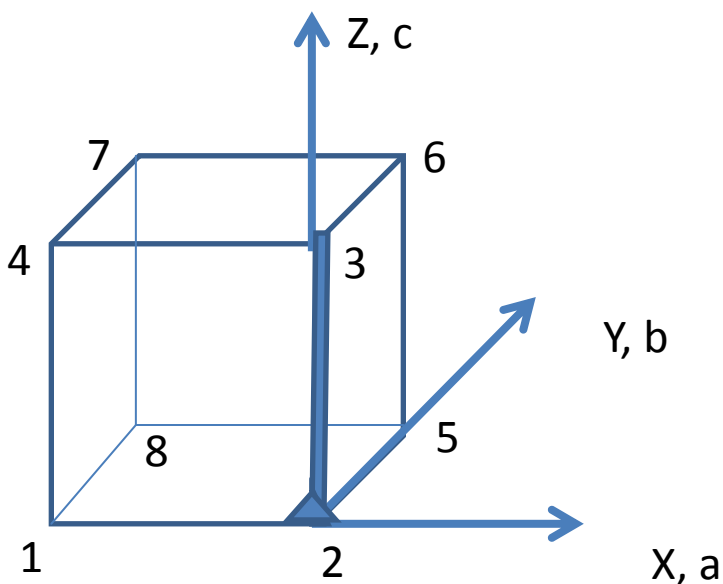
Crystal oriented

C-axis paralleled to chamfered edge within 1 degree or less

(Line 23 shall chamfered edge, corner 2 shall be cut small triangle)

Polished surfaces are, 2365, 3647, 1478, and 1258

(Front surface 1234 and back surface 5876 shall not polished)



#9; Er:RbPb₂Br₅ Laser crystal sample

Erbium doped Rubidium Lead Bromide (Er:RbPb₂Br₅) Crystal dimension shall be 5 x 5 mm² aperture and 5 mm long.

Transparency range is up to 20 micron meter

Crystal has good optical quality that is less than 1 wave distortion at 632nm

Doping concentration shall be ~2.0 – 2.5 %

Both aperture faces and 2 side faces are polished with S/D 40 - 20 or better

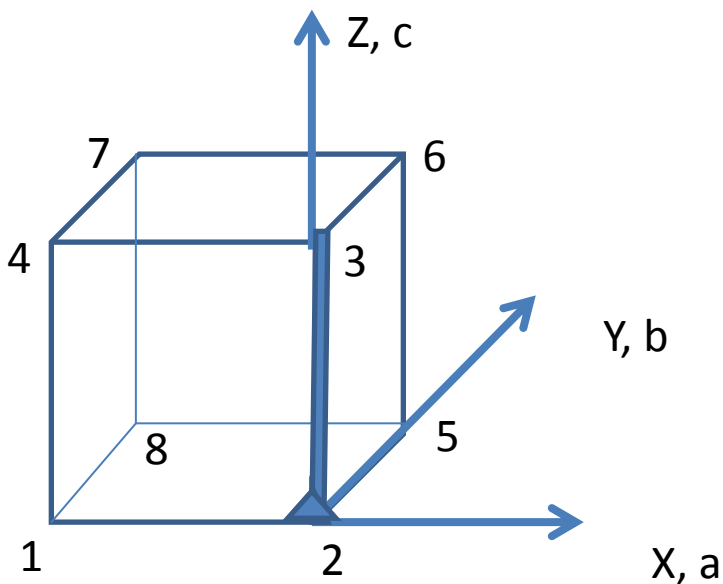
Crystal oriented

C-axis paralleled to chamfered edge within 1 degree or less

(Line 23 shall chamfered edge, corner 2 shall be cut small triangle)

Polished surfaces are, 2365, 3647, 1478, and 1258

(Front surface 1234 and back surface 5876 shall not polished)



#10; Yb:RbPb₂Br₅ Laser crystal sample

Ytterbium doped Rubidium Lead Bromide (Yb:RbPb₂Br₅) Crystal dimension shall be 5 x 5 mm² aperture and 5 mm long.

Transparency range is up to 20 micron meter

Crystal has good optical quality that is less than 1 wave distortion at 632nm

Doping concentration shall be ~2.0 – 2.5 %

Both aperture faces and 2 side faces are polished with S/D 40 - 20 or better

Crystal oriented

C-axis paralleled to chamfered edge within 1 degree or less

(Line 23 shall chamfered edge, corner 2 shall be cut small triangle)

Polished surfaces are, 2365, 3647, 1478, and 1258

(Front surface 1234 and back surface 5876 shall not polished)

